

Docket Number: 081498-0308307
Client Reference: GNC25US



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

FRAMPTON E ELLIS

Group Art Unit:

Application No.: 10/802,049

Examiner:

Filed: March 17, 2004

Confirmation No.:

For: GLOBAL NETWORK COMPUTERS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the references has been considered, per MPEP § 609.

This Information Disclosure Statement is being filed within three months of the U.S. filing date of this non-CPA application. No certification or fee is required.

Respectfully Submitted,

Carlo M. Cotrone
Registration Number 48715
Customer Number: 00909

Date: May 3, 2004

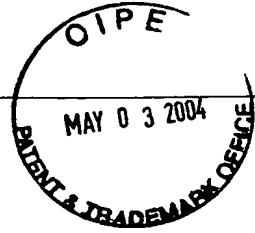
PILLSBURY WINTHROP LLP
Telephone: (703) 905-2000
Facsimile: (703) 905-2500
P.O. Box 10500
McLean, VA 22102

FORM PTO-1449 (modified) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office				Atty.	M#	Client Ref.			
				Dkt. No.	0308307	GNC25US			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant: ELLIS, III					
				Appln. No.: 10/802,049					
				Filing Date: March 17, 2004					
Date: May 3, 2004		Page	4	of	4	Examiner:	Group Art Unit:		
OTHER (including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)									
	SR	Tandlary, et al., "Batrun: Utilizing Idle Workstations for Large-Scale Computing", Summer 1996, pp. 41-48							
	TR	Brisbin, "Shopping for Internet Access", MacUser, December, 1994, v. 10, p. 133(2)							
	UR	Gilder, George, "The Bandwidth Tidal Wave", Forbes ASAP, December 5, 1994							
	VR	N/A, "Special Report – Wonder Chips", Business Week, July 4, 1994							
	WR	N/A, "Supercomputers Divide and Conquer", The Economist, December 14, 1996							
	XR	N/A, "Cyber View World Wide Widgets", Scientific American, May, 1997, p. 48							
	YR	Gibbs, "Bandwidth Unlimited", Scientific American, January, 1997, p. 41							
	ZR	Markoff, "A New Standard to Govern PC's With Multiple Chips, Work Stations Mimicking Supercomputers", The New York Times, October 28, 1997							
	AAR	Geoffrey C. Fox and Wojtek Furmanski, Petaops and Exaops: Supercomputing on the Web, "IEEE INTERNET COMPUTING," Vol. 1, Number 2 March-April 1997, pgs. 38-46.							
	BBR	Kivanc Dincer and Geoffrey C. Fox, Building a World-Wide Virtual Machine Based on Web and HPCC Technologies, "STUDENT TECHNICAL PAPERS", http://www.supercomp.org/sc96/proceedings/SC96PROC/DINCER/INDEX.HTM pgs. 1-18.							
	CCR	M. Hobbs and A. Goscinski, A Remote Process Creation and Execution Facility Supporting Parallel Execution on Distributed Systems, "IEEE 1996," pgs. 92-99.							
	DDR	Taisuke Boku, Hiroshi Nakamura, Kisaburo Nakazawa, and Yoichi Iwasaki, The Architecture of Massively Parallel Processor CP-PACS, "IEEE 1997", pgs. 31-40.							
	EER	Yoon-Hwa Choi and Yu-Seok Kim, A Diagnostic Network for Massively Parallel Processing Systems, "IEEE 1994," pgs. 348-353.							
	FFR	Steven M. Bellovin and William R. Cheswick, Network Firewalls, "IEEE Communications Magazine 1994," pgs. 5-57.							
	GGR	Weiyl et al., "Java-to-Go – Itinerative Computing Using Java," September 10, 1996 http://ptolemy.eecs.berkeley.edu/dgm/javatools/java-to-go/							
	HHR	Sullivan et al., "A New Major SETI Project Based on Project Serendip Data and 100,000 Personal Computers." http://setiathome.ss.berkeley.edu/woody_paper.htm/							
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BR	Shen et al., "A Parallel Implementation of an MPEG1 Encoder: Faster than Real-Time!", Proc. Of SPIE Conf. On Digital Video Compression, San Jose, CA, Feb. 1995				
CR	Shiuan, J. et al., "Client-Server Based Ray-Tracer Using ASTRA: An Asynchronous RPC Mechanism," Computer Communications, vol. 19, No. 5, pp. 445-455, May 1996				
DR	Szabo, B., et al., "Design considerations for JPEG Video and Synchronized Audio in a Unix Workstation Environment," USENIX-Summer '91, pp. 353-368				
ER	Theimer et al., "Finding Idle Machines in a Workstation-Based Distributed System," IEEE Trans. On Software Engineering, vol. 15, No. 11, pp 1444-1458, Nov. 1989				
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GR	Vetter, R., et al., "Issues and Challenges in ATM Networks," Communications of the ACM, 2/1995; vol. 38, No. 2, pp. 28-29				
HR	Waldspurger et al., "Spawn: A Distributed Computational Economy," IEEE Transactions on Software Engineering, Vol. 18, No. 2, February 1992, pages 103-117, XP-002124500				
IR	Yoshida, J., "MPEG-2 encoders make show of force at NAB," Electronic Engineering Times, Apr. 10, 1995				
JR	Yu, Y. et al., "Software Implementation of MPEG-II Video Encoding Using Socket Programming in LAN," SPIE vol. 2187, pp. 229-240, 1994				
KR	HARE et al., "Master the Complexities of Network Security", Internet Firewalls and Network Security, Second Edition, 1996, pgs. 325-350 and 516				
LR	FIELDS, Scott, "Hunting For Wasted Computing Power – New Software for Computing Networks Puts Idle PC's to Work", 1993 University of Wisconsin-Madison. Internet: http://www.cs.wise.edu/condor/doc/Wiseldea.html				
MR	N/A, "Aliens on your desktop", The Economist, April 18, 1998, p. 78.				
NR	Mitzi Waltz, "Make'em Pay: Billing Net Usage," MacWeek, v6 n27 p24(2), July 27, 1992 (Dialog fulltext).				
OR	"The Economies of Network Billing: Network Billing and Monitoring Systems Can Improve Efficiency and Cut Costs," IBM System User, v14 n11 p53(1), Nov. 1993 (Dialog fulltext).				
PR	"Let Your Computer Make Money While You Sleep," Newsbyte, Aug. 16, 1996 (Dialog fulltext).				
QR	Brown et al., Special Edition Using Netscape™ 2 Second Edition, Que Corporation, 1995, Ch. 1-2				
RR	Gilder, "Angst and Awe on the Internet by George Gilder", Forbes ASAP, December 4, 1995				

Examiner	Date Considered:
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BY APPLICANT**

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OTHER (Including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)			
AR	"Ein-Chip-Firewall," Elektroniknet Top News, XP-002164257		
BR	"Means for Implementing Optical Interconnections for Parallel Processors," IBM Technical Disclosure Bulletin, April 1991, Vol. 33, No. 11, pages 56-58, XP 000110310		
CR	Alexandrov et al., "SuperWeb: Research Issues in Java-Based Global Computing," Concurrency, Vol. 9, No. 6, June 1997, pages 535-553		
DR	Baratloo et al., "Charlotte: Metacomputing on the Web," 9th International Conference on Parallel and Distributed Computing Systems (PDCS), 1996, pages 1-8		
ER	Bevinakoppa et al., "Digital Image Compression on a Network of Transputers," Proc. of 5 th Australian Transputer & OCCAM User Group Conference, IOS Press, Amsterdam, pp. 25-32		
FR	Blumofe, R. et al., "Scheduling Large-Scale Parallel Computations on Networks of Workstations," Proc. Of the 3 rd IEEE Int'l Symp on High Performance Distributed Computing, pp. 96-105, Aug. 1994		
GR	Brecht et al., "ParaWeb: Towards World-Wide Supercomputing," Proceedings of the Seventh ACM SIGOPS European Workshop, September 1996, 8 pages		
HR	Capello et al., "Market-Based Massively Parallel Internet Computing," Proceedings Third Working Conference on Massively Parallel Programming Models, 1998, pages 118-129		
IR	Celenk, M. et al., "Parallel Task Execution in LANs and Performance Analysis," Proc. Of the 1995 IEEE 14 th Annual Int'l Phoenix Conf. On Computers and Communications, pp. 423-429, Mar. 1995		
JR	Chen, C. et al., "The DBC: Processing Scientific Data Over the Internet," Proc. Of the 16 th Int'l. Conf. On Distributed Computing Systems, pp. 673-679, May 1996		
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LR	Fogg, C., "Survey of software and hardware VLC architectures," SPIE, vol. 2186, Image and Video Compression (1994), pp. 29-37		
MR	Fox et al., "Towards Web/Java based High Performance Distributed Computing—an Evolving Virtual Machine," www.npac.syr.edu/projects/webspace/doc/hpdc5/paper, June 10, 1996, 11 pages		

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	AR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," as presented at 5 th IEEE International Symposium on High Performance Distributed Computing, August 6-9, 1996, 86 pages							
	BR	Fox, E., "Advances in Interactive Digital Multimedia Systems," Computer, Oct. 1991, pp. 9-21							
	CR	Gemmell et al., "Multimedia Storage Servers: a Tutorial," Computer, May 1995, pp. 40-49							
	DR	Hayes, "Computing Science: Collective Wisdom," American Scientist, March-April 1998, pages 1-8							
	ER	Kim, B., "ATM Network: Goals and Challenges," Communications of the ACM, Feb. 1995, vol. 38, No. 2, pp. 39-44, 109							
	FR	Kremien, O., "Buying and Selling Computational Power Over the Network," Proc. Of the 4 th Int'l. Conf. On Computer Communications and Networks, IEEE, pp. 616-619, Sep. 1995							
	GR	Lindley, C., "JPEG-Like Image Compression, Part 2," Dr. Dobb's Journal, Aug. 1995, pp 62-66, 102-105							
	HR	Lindley, C., "JPEG-Like Image Compression, Part I," Dr. Dobb's Journal, Jul. 1995, pp. 50-58, 101-102							
	IR	Litzkow et al., "Condor-A Hunter of Idle Workstations," Proc. Of the 8 th Int'l. Conf. On Distributed Computing Systems, IEEE, pp. 104-111, Jun. 1998							
	JR	McHenry et al., "An FPGA-Based Coprocessor for ATM Firewalls," Field-Programmable Custom Computing Machines 1997, 16-18 April 1997, pages 30-39, XP-002157218							
	KR	Morris, J., et al., "Fault Tolerant Networks of Workstations," Proc. Of the 3 rd Int'l. Conf. On High Performance Computing, IEEE, pp. 271-276, Dec. 1996							
	LR	Nass, R., "Hardware-software combo could simplify MPEG real-time video compression," Electronic Design, May 3, 1993, p. 36							
	MR	Nowatzky et al., "Are Crossbars Really Dead? The Case for Optical Multiprocessor Interconnect Systems," Proceedings of the Annual Symposium on Computer Architecture, ACM, volum 22, June 1995, pages 106-115, XP 000687800							
	NR	Ozer, "Digital Video: Shot by Shot," PC Magazine, Apr. 11, 1995, pp. 104-107, 110							
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	PR	Plotkin, "The Digital Compression Facility-A Solution to Today's Compression Needs," 1994 IEEE, pp 445-449							
	QR	Qiao et al., "Time-Division Optical Communications in Multiprocessor Arrays," ACM, 1991, pages 644-653, XP 000337522							
	RR	Rincon et al., "The Changing Landscape of System-on-a-Chip Design," MicroNews, Third Quarter 1999, www.chips.ibm.com/micronews/vol5_no3/rincon.html, pages 1-10, Vol. 5, No. 3							
	SR	Sachs, M. et al., "LAN and I/O Convergence: A Survey of the Issues," Computer, Dec. 1994, pp. 24-32							
	TR	Sakano et al., "A Three-Dimensional Mesh Multiprocessor System Using Board-to-Board Free-Space Optical Interconnects: COSINE-III," IEEE, 1993, pages 278-283, XP 000463415							
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